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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.        | CONFIRMATION NO.       |
|--|-------------|----------------------|----------------------------|------------------------|
| 10/783,723   | 02/20/2004  | Reynaldo A. Osorio   | 41914.524                  | 6618                   |
| 46333  | 7590        | 09/02/2009           |                            |                        |
| Medtronic<br>Attn: Noreen C. Johnson, IP Legal Department<br>2600 Sofamor Danck Drive<br>Memphis, TN 38132 |             |                      | EXAMINER<br>GEORGE, TARA R |                        |
|  |             |                      | ART UNIT<br>3733           | PAPER NUMBER           |
|  |             |                      | MAIL DATE<br>09/02/2009    | DELIVERY MODE<br>PAPER |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/783,723

**Applicant(s)**

OSORIO ET AL.

**Examiner**

TARA R. GEORGE

**Art Unit**

3733

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 April 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 34-62 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 34-62 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/ICE)
- Paper No(s)/Mail Date 4/14/09
- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 34-42 and 44-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Caldarise (US Pat. 5,681,317) in view of Huesbsch (US Pat. 4,888,022).

Caldarise teaches a prosthesis that comprises a second bone material that is substantially enclosed by a first bone material (column 2, lines 1-11) (column 3, lines 21-30). The bone filler includes bone cement/bone graft material (column 2, lines 1-11)(column 3, lines 21-30). The bone filler is a bolus (column 2, lines 1-11) (column 3, lines 21-30).

With regard to claims 34-42 and 44-62, it is noted that the device of Caldarise appears to be substantially identical to the device claimed, although possibly produced by a different process, therefore the burden is upon the applicant to come forward with evidence establishing an unobvious difference between the two. In re Marosi, 218 USPQ 289 (Fed. Cir. 1983).

Caldarise does not appear to teach wherein the second bone filler material is covered by a closed distal end portion of the first bone filler material.

Huebsch teaches a prosthesis comprising an expandable member in combination with a filling material in order to provide a device that provides uniformly distributed pressure in a controlled amount to all portions of a bone cavity opposite the body of the prosthesis (col. 2 lines 23-27).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to construct the device of Caldarise with the expandable member inflated with a filling material in view of Huebsch in order to provide a device that provides uniformly distributed pressure in a controlled amount to all portions of a bone cavity opposite the body of the prosthesis.

Claim 43 is rejected under 35 U.S.C. 103(a) as being unpatentable over Caldarise and Huebsch, as applied above, in view of Shastri et al. (US Pat. 5,837,752).

Caldarise and Huebsch teach the claimed invention except for at least one of the first region of bone filler material or the second region of bone filler material includes a stent.

Shastri et al. disclose bone cement compositions (column 9, lines 10-19) that can be formed into a shape (e.g. a stent) (column 9, lines 21-27), in order to form a solid article for implantation in order to replace or repair a damaged bone (column 9, lines 14-18).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have constructed at least one of the bone cements of

Caldarise as a stent of Shastri et al., in order to form a solid article for implantation in order to replace or repair a damaged bone (column 9, lines 14-18).

### ***Response to Arguments***

Applicant's arguments with respect to claims 34-62 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TARA R. GEORGE whose telephone number is (571)272-3402. The examiner can normally be reached on M-F from 6am-2pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eduardo Robert can be reached on (571) 272-4719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. R. G./  
Examiner, Art Unit 3733  
/Eduardo C. Robert/  
Supervisory Patent Examiner, Art Unit 3733